SPECIAL ISSUE

NEUROPEPTIDES AT THE MILLENNIUM

CONTENTS

Foreword v

Program A1

List of posters / SOAPS A5

Abstracts of oral presentations A13

Abstracts of posters / SOAPS A21

Author Index (for abstracts) A45

Proceedings - *Interactive reports* *

Neuropeptide families and their receptors: evolutionary perspectives
C.H.V. Hoyle (UK) 1

FMRFamide-related neuropeptide gene family in *Caenorhabditis elegans*
C. Li, K. Kim and L.S. Nelson (USA) 26

Development of the peptidergic modulation of a rhythmic pattern generating network
E. Marder and K.S. Richards (USA) 35

Proprotein and prohormone convertases: a family of subtilases generating diverse bioactive polypeptides
N.G. Seidah and M. Chrétien (Canada) 45

Orphan receptors, novel neuropeptides and reverse pharmaceutical research
O. Civelli, R.K. Reinscheid and H.-P. Nothacker (USA) 63

Effects of neuropeptide Y deficiency on hypothalamic agouti-related protein expression and responsiveness to melanocortin analogues
D.J. Marsh, G.I. Miura, K.A. Yagaloff, M.W. Schwartz, G.S. Barsh and R.D. Palmiter (USA) 66

Cholecystokinin/opioid interactions
Z. Wiesenfeld-Hallin, G. de Araúja Lucas, P. Alster, X.-J. Xu and T. Hökfelt (Sweden) 78

The substance P antagonist L-760,735 inhibits stress-induced NK_1 receptor internalisation in the basolateral amygdala
D.W. Smith, L. Hewson, P. Fuller, A.R. Williams, A. Wheeldon, N.M.J. Rupniak (UK) 90

Peptides crossing the blood–brain barrier: some unusual observations
A.J. Kastin, W. Pan, L.M. Maness, W.A. Banks (USA) 96

Hypothalamic cocaine- and amphetamine-regulated transcript (CART) neurons: histochemical relationship to thyrotropin-releasing hormone, melanin-concentrating hormone, orexin/hypocretin and neuropeptide Y
C. Broberger (Sweden) 101

Insulin and leptin: dual adiposity signals to the brain for the regulation of food intake and body weight
D.G. Baskin, D. Figlewicz Lattemann, R.J. Seeley, S.C. Woods, D. Porte Jr. and M.W. Schwartz (USA) 114

Rapid changes in hypothalamic neuropeptide Y produced by carbohydrate-rich meals that enhance corticosterone and glucose levels
J. Wang, J.T. Dourmashkin, R. Yun and S.F. Leibowitz (USA) 124

CART: from gene to function
L.D. Adams, W. Gong, S. Dall Vechia, R.G. Hunter and M.J. Kuhar (USA) 137

A role for corticotropin releasing factor and urocortin in behavioral responses to stressors
G.F. Koob and S.C. Heinrichs (USA) 141

Multiple receptors for neuropeptide Y in the hippocampus: putative roles in seizures and cognition
J.P. Redrobe, Y. Dumont, J.-A. St-Pierre and R. Quirion (Canada) 153

The role of nociceptin in cognition
T. Nabeshima, Y. Noda and T. Mamiya (Japan) 167

Galanin and learning
S.O. Ögren, P.A. Schött, J. Kehr, I. Misane and H. Razani (Sweden) 174

Synergistic interactions of endogenous opioids and cannabinoid systems
S.P. Welch and M. Eads (USA) 183

Neuropeptide FF and modulation of pain
P. Panula, E. Kalso, M.-L. Nieminen, V.K. Kontinen, A. Brandt and A. Pertovaara (Finland) 191

Author Index (for Interactive Reports) 197

* Also published on the ***Brain Research Interactive*** website: **www.elsevier.com / locate / bres**